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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

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JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15/

Date: 19-03-2015

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Roads and Drains at Defence Colony Sahakaranagara 1st, 2nd, 3rd Cross Road and Raghavendraswamy Temple Road in Ward No.08 of Kodigehalli Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 16-03-2015

Sample supplied to lab by: Sri.R.Madhusudhan, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Kodigehalli Sub-Division. BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**97.20**	95-100
26.50	**---**	-
22.40	**73.00**	60-80
11.20	**44.90**	40-60
4.75	**36.00**	25-40
2.36	**25.40**	15-30
0.600	**19.00**	8-22
0.075	**5.10**	0-8

AE-B

*As Furnished by Client

The Results relate only to the items tested

The test Reports are Accepted

Verified

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19/3/2015

Verified

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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 19-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**22.90%**	Not more than 30 %
2	Impact Value	----,,----	**23.70 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

19/03/2015

DEPARTMENT OF CIVIL ENGINEERING BANGALORE UNIVERSITY

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BUB/CTE/2014-15/ **Date: 24-03-2015**

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements to Roads and Drains at Defence Colony Sahakaranagara 1st, 2nd, 3rd Cross Road and Raghavendraswamy Temple Road in Ward No.08 of Kodigehalli Sub-Division}

Ref.: Letter No. Testing/BUB/2014-15, dated 22-03-2015

Sample supplied to lab by: Sri.R.Madhusudhan, Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Kodigehalli Sub-Division. BBMP, Bangalore.

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.03%**
2. **Gradation Test** :

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**97.00**	90—100
4.75	**46.30**	35—51
2.36	**33.10**	24—39
1.18	**22.00**	15—30
0.3	**16.40**	09—19
0.075	**4.80**	03—08

AE 8

* As furnished by Client.
The Results relate only to the items tested.

The test Reports are Accepted

Verified

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24/3/2015

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DEPARTMENT OF CIVIL ENGINEERING

Date: 24-03-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.50%**	Not more than 30 %
2	Impact Value	----,,----	**23.70 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.50%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**96.90 %**	Minimum retained coating 95.0 **%**

*As Furnished by Client

The Results relate only to the items tested.

DEPARTMENT OF CIVIL ENGINEERING ★ BANGALORE UNIVERSITY

24/03/2015

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